

## Soil Features

(See text for definitions of terms used in this table. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Palo Alto County, Iowa

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
6: OKOBOJI-----	---	> 80	---	---	---	---	High-----	High-----	Low.
34: ESTHERVILLE-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
34B: ESTHERVILLE-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
34C2: ESTHERVILLE-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
55: NICOLLET-----	---	> 80	---	---	---	---	High-----	High-----	Low.
62C: STORDEN-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
62D: STORDEN-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
62E: STORDEN-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
62F: STORDEN-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
72: ESTHERVILLE-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
72B: ESTHERVILLE-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
73C: SALIDA-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
90: OKOBOJI-----	---	> 80	---	---	---	---	High-----	High-----	Low.

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		In	In		In	In			
95: HARPS-----	---	> 80	---	---	---	---	High-----	High-----	Low.
107: WEBSTER-----	---	> 80	---	---	---	---	High-----	High-----	Low.
133: COLO-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
133B: COLO-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
138B: CLARION-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
138C: CLARION-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
138C2: CLARION-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
138D2: CLARION-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
141: WATSEKA-----	---	> 80	---	---	---	---	Moderate----	Low-----	High.
150: HANSKA-----	---	> 80	---	---	---	---	High-----	High-----	Low.
172: WABASH-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
181B: CLARION-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
181C2: CLARION-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.

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		In	In		In	In			
203: CYLINDER-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
221: PALMS-----	---	> 80	---	---	4-15	25-32	High-----	High-----	Moderate.
224: LINDER-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
253C: FARRAR-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Low.
259: BISCAY-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
274: ROLFE-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
308: WADENA-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
324: DICKMAN-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
324B: DICKMAN-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
339: TRUMAN-----	---	> 80	---	---	---	---	High-----	Low-----	Low.
339B: TRUMAN-----	---	> 80	---	---	---	---	High-----	Low-----	Low.
354: MARSH-----	---	---	---	---	---	---	---	---	---
390: WALDORF-----	---	> 80	---	---	---	---	High-----	High-----	Low.

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		In	In		In	In			
485: SPILLVILLE-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
485B: SPILLVILLE-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
506: WACOUSTA-----	---	> 80	---	---	---	---	High-----	High-----	Low.
507: CANISTEO-----	---	> 80	---	---	---	---	High-----	High-----	Low.
511: BLUE EARTH-----	---	> 80	---	---	---	---	High-----	High-----	Low.
559: TALCOT-----	---	> 80	---	---	---	---	High-----	High-----	Low.
585B: COLO-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
638B: CLARION-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
639C: STORDEN-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
639D: STORDEN-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
639E: STORDEN-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
655: CRIPPIN-----	---	> 80	---	---	---	---	High-----	High-----	Low.
658: MAYER-----	---	> 80	---	---	---	---	High-----	High-----	Low.

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		In	In		In	In			
733: CALCO-----	---	> 80	---	---	---	---	High-----	High-----	Low.
823: FLAGLER VARIANT----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
823B: FLAGLER VARIANT----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
895: MAYER-----	---	> 80	---	---	---	---	High-----	High-----	Low.
C485: SPILLVILLE-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
T6: OKOBOJI-----	---	> 80	---	---	---	---	High-----	High-----	Low.
W: WATER-----	---	---	---	---		---	---	---	---